Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-25. (cancelled)

26. (new):

A method of performing voice multicasting with a router, the method comprising:

receiving a network packet that includes voice data;

storing the voice data in a memory;

generating a voice packet that includes a digital signal processing (DSP) mask field;

sending the voice packet to a line card having a plurality of ports;

retrieving the voice data from the memory; and

multicasting the voice data on the plurality of ports as selected by the DSP mask field.

27. (new):

The method of claim 26, wherein the DSP mask field comprises a bit field map having a plurality of bits in which each one of the plurality of bits selects one of the corresponding plurality of ports.

28. (new):

The method of claim 26, wherein the voice packet further includes descriptor fields for retrieving the voice data from the memory for multicasting.

29. (new):

The method of claim 26, wherein multicasting the voice data is without duplicating packets.

30. (new):

The method of claim 26, wherein the network packet is an Internet Protocol (IP) packet.

31. (new):

A digital processing system comprising:

a host system to receive a network packet that includes voice data, store the voice data in a memory, and generate a voice packet that includes a digital signal processing (DSP) mask field; and

a line card coupled to the host system, the line card having a plurality of ports, the line card to receive the voice packet, retrieve the voice data from the memory, and multicast the voice data on the plurality of ports as selected by the DSP mask field.

32. (new):

The digital processing system of claim 31, wherein the DSP mask field comprises a bit field map having a plurality of bits in which each one of the plurality of bits selects one of the corresponding plurality of ports.

33. (new):

The digital processing system of claim 31, wherein the voice packet further includes descriptor fields for retrieving the voice data from the memory for multicasting.

34. (new):

The digital processing system of claim 31, wherein multicasting the voice data is without duplicating packets.

35. (new):

The digital processing system of claim 31, wherein the network packet is an Internet Protocol (IP) packet.

36. (new):

An apparatus comprising:

means for receiving a network packet that includes voice data;

means for storing the voice data;

means for generating a voice packet that includes a digital signal processing (DSP) mask field;

means for receiving the voice packet;

means for retrieving the voice data from the means for storing the voice data; and

means for multicasting the voice data on a plurality of ports as selected by the DSP mask field.

37. (new):

The apparatus of claim 36, wherein the DSP mask field comprises a bit field map having a plurality of bits in which each one of the plurality of bits selects one of the corresponding plurality of ports.

38. (new):

The apparatus of claim 36, wherein the voice packet further includes descriptor fields for retrieving the voice data from the means for storing the voice data.

39. (new):

The apparatus of claim 36, wherein multicasting the voice data is without duplicating packets.

40. (new):

The apparatus of claim 36, wherein the network packet is an Internet Protocol (IP) packet.

41. (new):

A network device comprising:

a host system including a host central processing unit (CPU) and an operating the system, the host system to receive a network packet that includes voice data;

the CPU to store the voice data in a memory and generate a voice packet that includes a digital signal processing (DSP) mask field; and

a line card coupled to the host system, the line card having a plurality of ports to interface to user devices, the line card to receive the voice packet from the host system, retrieve the

voice data from the memory, and to multicast the voice data on the plurality of ports as selected by the DSP mask field.

42. (new):

The network device of claim 41, wherein the DSP mask field comprises a bit field map having a plurality of bits in which each one of the plurality of bits selects one of the corresponding plurality of ports.

43. (new):

The network device of claim 41, wherein the voice packet further includes descriptor fields for retrieving the voice data from the memory for multicasting.

44. (new):

The network device of claim 41, wherein the line card multicasts the voice data without duplicating packets.

45. (new):

The network device of claim 41, wherein the network packet is an Internet Protocol (IP) packet.

46. (new):

A medium storing instructions, the instructions to be processed by a processing unit to perform an operation comprising:

receiving a network packet that includes voice data;

storing the voice data in a memory;

generating a voice packet that includes a digital signal processing (DSP) mask field;

sending the voice packet to a line card having a plurality of ports;

retrieving the voice data from the memory; and

multicasting the voice data on the plurality of ports as selected by the DSP mask field.

47. (new):

The medium of claim 46, wherein the DSP mask field comprises a bit field map having a plurality of bits in which each one of the plurality of bits selects one of the corresponding plurality of ports.

48. (new):

The medium of claim 46, wherein the voice packet further includes descriptor fields for retrieving the voice data from the memory for multicasting.

49. (new):

The medium of claim 46, wherein multicasting the voice data is without duplicating packets.

50. (new):

The medium of claim 46, wherein the network packet is an Internet Protocol (IP) packet.